

CLAIMS

1. (Currently Amended) An electromedical implant for intracardial coronary therapy comprising:
an implant housing; and
functional component parts of the implant disposed in said housing, wherein said functional components comprise a circuit, and a battery; wherein the battery has a flat side, an underside and a peripherally extending narrow side, and the battery is arranged with its underside located on an internal base surface of the implant housing and the circuit is arranged in adjacent relationship with a flat side of the battery.
2. (Currently Amended) The electromedical implant according to claim 1, wherein the circuit includes a component carrier which carries electronic components, and wherein an underside of the component carrier is adjacent to the flat side of the battery.
3. (Currently Amended) The electromedical implant according to claim 2, wherein the circuit is fixed to the flat side of the battery.
4. (Currently Amended) The electromedical implant according to claim 3, further comprising structures that compensate for discharge-induced swelling of the battery, wherein said structures are located between the flat side of the battery and the underside of the circuit.
5. (Currently Amended) The electromedical implant according to claim 4, wherein the structures include free spaces between the battery and the circuit.
6. (Currently Amended) The electromedical implant according to claim 4, wherein the structures include joining elements between

the battery and the circuit wherein said elements permit a relative movement of the circuit with respect to the battery.

7. (Currently Amended) The electromedical implant according to claim 1, wherein the circuit includes a component carrier which carries electronic components and wherein an underside of the component carrier is arranged in adjacent relationship with an inward side of an upper half-shell portion of the implant housing.
8. (Currently Amended) The electromedical implant according to claim 7, wherein the battery does not fill the entire internal base surface of the implant housing, and free spaces are provided, and the circuit and the battery are arranged relative to each other in such a way that at least one of the electronic components projects into a free space upon assembly of the electromedical implant.
9. (Currently Amended) The electromedical implant according to claim 1, wherein the flat side of the battery and the circuit have heightwise profiles which are complementary to each other.
10. (Currently Amended) The electromedical implant according to claim 9, wherein the circuit has a contour that follows the heightwise profile of the battery, and the electronic components of the circuit (22) are so arranged that an overall height of the two component parts which are stacked in mutually superposed relationship is less than about 5.9 mm.
11. (Currently Amended) The electromedical implant according to claim 1, additionally comprising a mounting element which engages the circuit.
12. (Currently Amended) The electromedical implant according to claim 1, wherein said component parts are disposed in the implant housing, and wherein the battery and circuit are stacked one upon

the other starting from the internal base surface of the implant housing.

13. (Currently Amended) The electromedical implant according to claim 2, wherein the width of the battery in all regions in opposite relationship to the circuit is less than about 3.9 mm, and wherein the height of the electronic components is less than about 2 mm, and wherein the height of the component carrier is less than about 0.25 mm.
14. (Currently Amended) The electromedical implant according to claim 1, wherein the implant housing comprises a first and a second half-shell portion, and wherein the first half-shell portion is a housing shell portion of the battery.
15. (Currently Amended) The electromedical implant according to claim 1, wherein the implant housing comprises a first and a second half-shell portion and wherein both half-shell portions form the housing shell portions of the battery and the circuit and wherein the functional component parts of the implant are hermetically sealed with respect to an electrolyte of the battery.
16. (Currently Amended) The electromedical implant according to claim 1, wherein the implant housing comprises a first and a second half-shell portion and wherein the first and second half-shell portions of the implant housing are snap-engagement shell portions.
17. (Currently Amended) The electromedical implant according to claim 14 wherein the housing shell portion of the battery comprises a biocompatible material.

18. (Currently Amended) The electromedical implant according to claim 17, wherein the housing shell portion of the battery comprises titanium.
19. (Currently Amended) The electromedical implant according to claim 1, wherein the circuit extends over > about 80%, of the flat side of the battery.
20. (Currently Amended) The electromedical implant according to claim 1, wherein the and the occupy > about 85%, of the overall volume of the housing.